

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>4555-113</b>		Application Number <b>10/722,740</b>			
				Applicant(s) <b>PEUMANS et al.</b>					
				Filing Date <b>November 26, 2003</b>		Group Art Unit <b>TBD</b>			

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
b ↓		4,294,677	10/13/1981	SAKAGAMI et al.	204	181	
		5,166,063	11/24/1992	JOHNSON	435	173	
		6,475,809	11/05/2002	WAGNER et al.	436	518	

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
b ↓	Lee, I., Lee, J., Greenbaum, E., Biomolecular Electronics: Vectorial Arrays of Photosynthetic Reaction Centers, Phys. Rev. Lett 79, 3294-3297, Issue 17, October 1997
↓	Schubert, W.D., Klaukas, O., Krauss, N., Saenger, W., Fromme, P., Witt, H.W., Photosystem I of Synechococcus elongatus at 4 Å resolution: comprehensive structure analysis, Journal of Molecular Biology, Volume 272, Issue 5, 10 October 1997, pp. 741-769.

EXAMINER <i>b. [Signature]</i>	DATE CONSIDERED <i>11/7/08</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	DOCKET NO. 10644/61901	SERIAL NO. 10/722,740
	APPLICANT PEUMANS et al.	
	FILING DATE November 26, 2003	GROUP 1753



## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

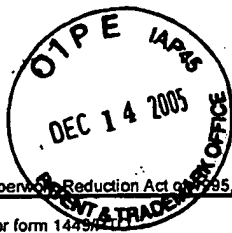
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						Yes	No

## NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
6		P. Fromme, et al., "Improved isolation and crystallization of Photosystem I for structural analysis", Biochimica et Biophysica Acta ,1365, pp. 175-184 (1998).

EXAMINER 6	DATE CONSIDERED 1/7/08
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PTO/SB/08A (07-05)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/722,740
Filing Date	November 26, 2003
First Named Inventor	Peter PEUMANS
Art Unit	1753
Examiner Name	Kishor MAYEKAR
Attorney Docket Number	10644/61901

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
b		US- 4,804,834	02-14-1989	Katsura et al.	
		US- 5,107,104	04-21-1992	Miyasaka et al.	
		US- 5,166,063	11-24-1992	Johnson et al.	
		US- 5,346,789	09-13-1994	Lewis et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
b		WO 03/095715	11-20-2003	Zhang et al.		
b		EP 0 417 541	03-20-1991	Takeda et al.		

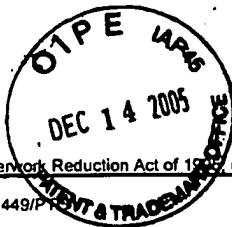
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1/7/08

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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First Named Inventor	Peter PEUMANS
Art Unit	1753
Examiner Name	Kishor MAYEKAR
Attorney Docket Number	10644/61901

Sheet **2** of **2****NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
b		Crittenden et al., "Humidity-dependent open-circuit photovoltage from a bacteriorhodopsin/indium tin oxide bioelectronic heterostructure", (Cont'd in next box)	
	1	(Cont'd) Nanotechnology, Vol. 14, pp. 562-565, 2003.	
	2	International Search Report dated November 24, 2005, Application No. PCT/US04/39470 filed November 24, 2004.	
b		Junfang et al., "The photoelectrical character of bacteriorhodopsin", ACTA PHOTONICA SINICA, Vol. 25, No. 12, pp. 1067-1070, 1996 (includes English Abstract).	
b		Keszthelyi, "Orientation of membrane fragments by electric field", BIOCHIMICA ET BIOPHYSICA ACTA, Vol. 598, pp. 429-436, 1980.	

Examiner Signature	<i>[Signature]</i>	Date Considered	11/10/08
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